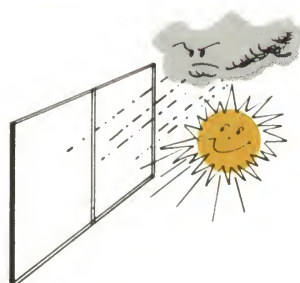


SECURITY ALUMINUM CORPORATION COMBINES
QUALITY/ECONOMY

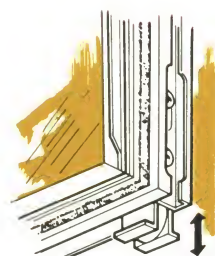
IN THE

hiLITE
CONVERTIBLE

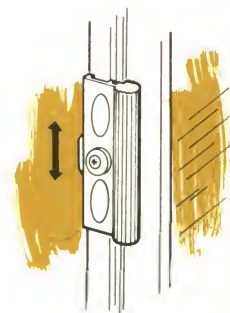
AN OUTSTANDING **NEW** WINDOW DESIGN



LIFETIME ANODIZED FINISH. Deluxe anodized protection on every Hilite window. A beautiful satin finish provides lasting resistance against sun, water, salt air, and abrasion.



ADJUSTABLE NYLON WHEELS. Large nylon wheels with over-sized axles assure a lifetime of quiet, trouble-free operation. The non-corrosive wheel assembly incorporates side guides which enables effortless rolling of the vent panel. Each wheel is adjustable up and down, to allow for easy alignment of the vent panel with the frame. Adjustment screws are accessible **without** removal of the vent panel.

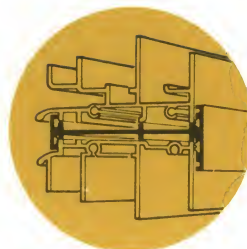


ADJUSTABLE LOCKING HANDLE. Man-sized... with delicate proportions... this classic handle incorporates an exclusive triple latching lock. With only **one** moving part, this unique handle may easily be adjusted to any convenient height. A lifetime of care-free service is assured with a stainless steel spring and a nylon bushing. Automatic, positive, burglar-proof locking is accomplished by simply closing the vent panel.

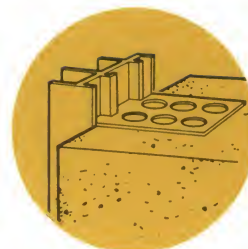
ACCESSORIES



INSIDE SURROUND. The anodized aluminum inside surround added to the standard Hilite window makes a full frame installation. The surround is applied **after** plaster, to assure a beautiful but rugged permanent return. The same surround may be used only at the sill as a metal stool.



"H" MULLION. Unique, anodized aluminum "H" mullions allow standard Hilite windows to be stacked one on top of the other, or next to each other. An exclusive design simplifies installation and eliminates caulking while maintaining weather-tightness.

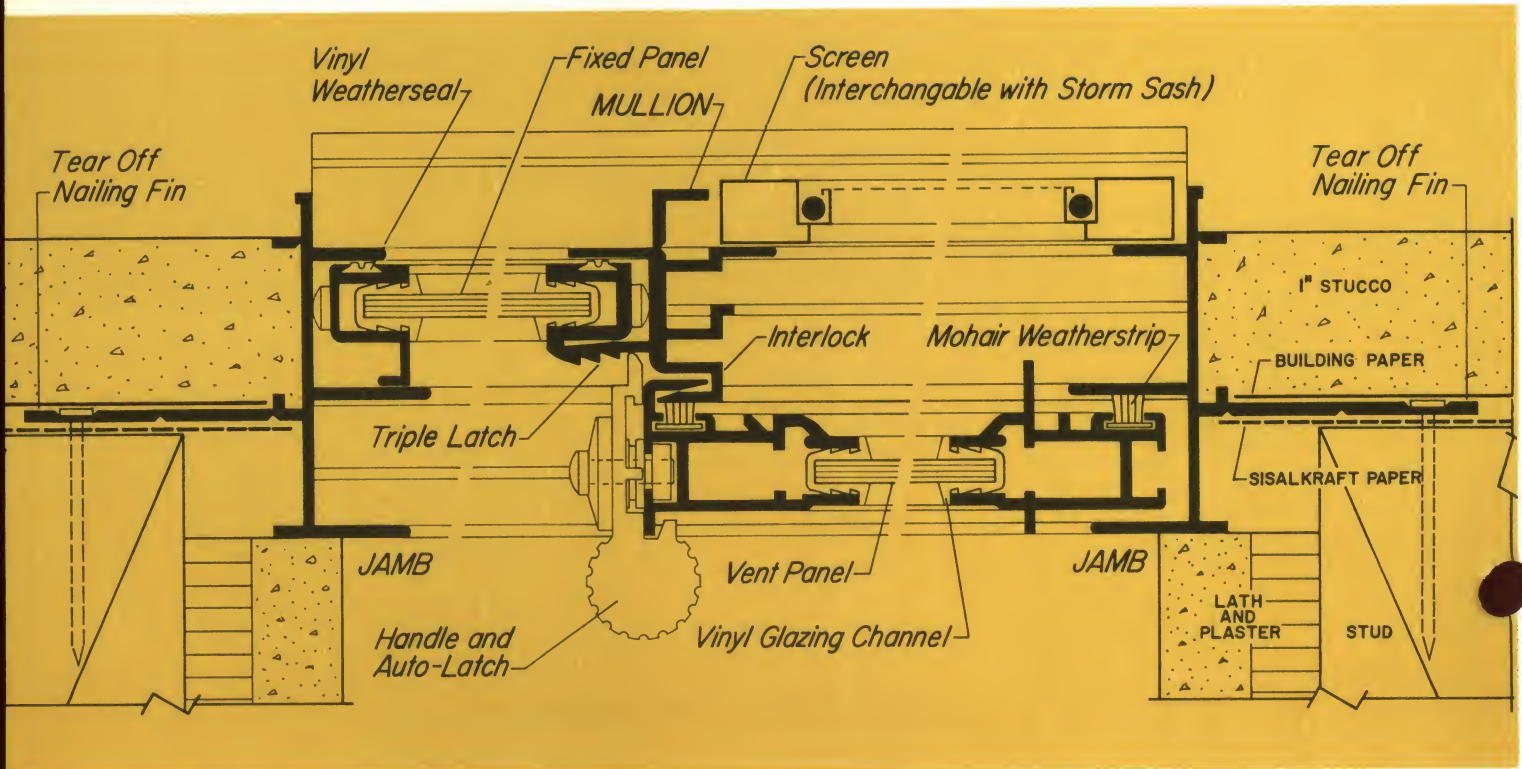


MASONRY ANCHOR. An aluminum masonry anchor which snaps into the jamb of the standard Hilite window simplifies installation in concrete block and masonry construction.

The new universal frame of the HILITE window is fabricated from heavy, tempered aluminum extrusions, and is designed to simplify installation in all types of construction.

ONE BASIC FRAME FOR ALL BUILDING REQUIREMENTS

TOP VIEW... SHOWING FRAME-STUCCO INSTALLATION



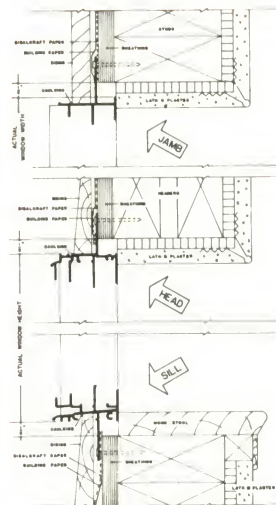
THE HILITE "CONVERTIBLE" WINDOW MEETS OR EXCEEDS ALL FHA AND AWMA REQUIREMENTS.

The HILITE "CONVERTIBLE" WINDOW is sold exclusively through distributors and dealers. Write or phone for dealer nearest to you.

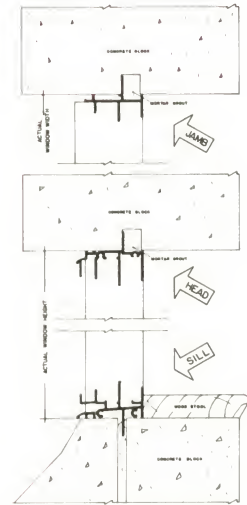
hiLITE

a product of SECURITY ALUMINUM CORPORATION
503 EAST PINE AVENUE, COMPTON, CALIFORNIA, NEVADA 6-0504

SUGGESTED

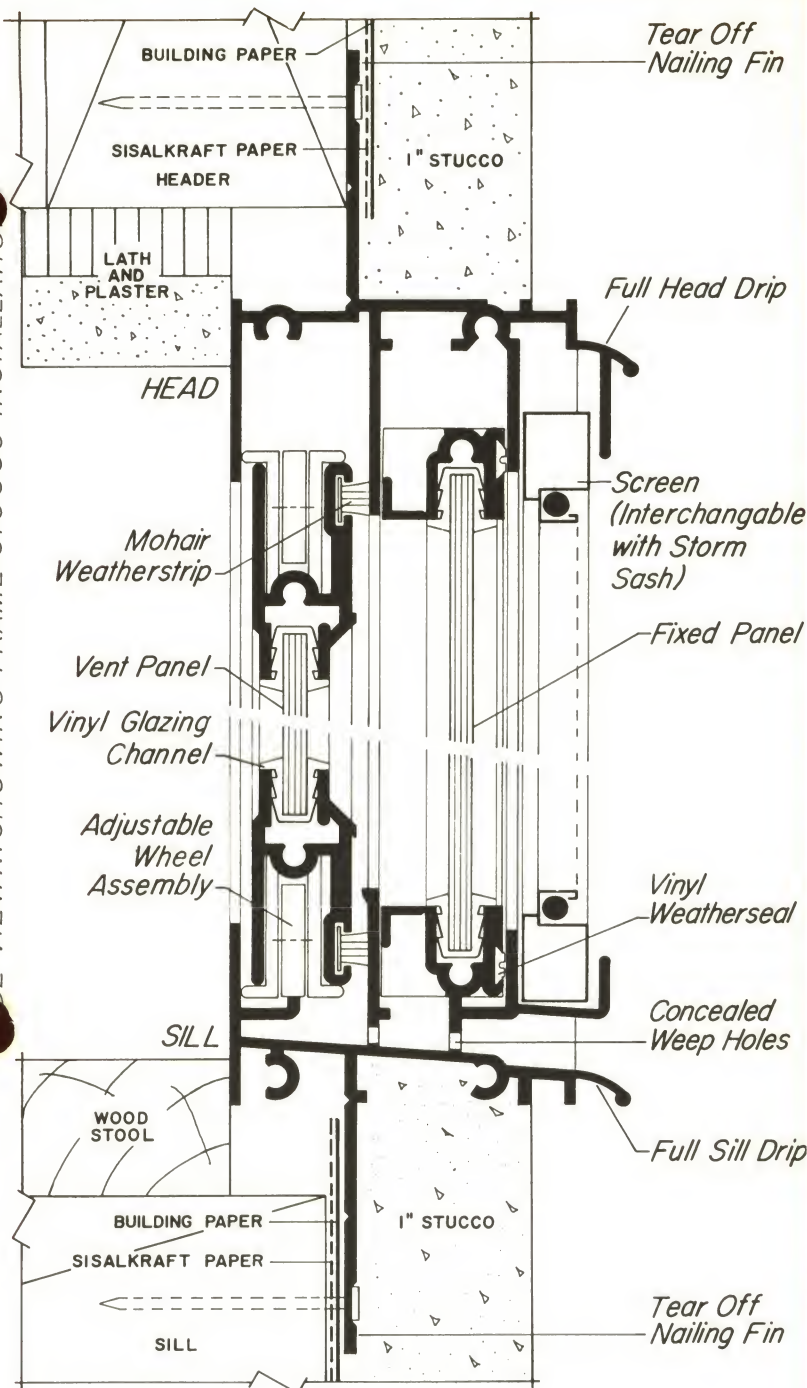


WOOD SIDING

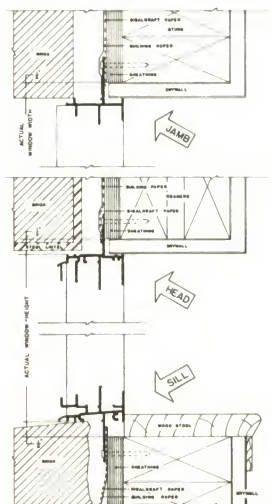


CONCRETE BLOCK

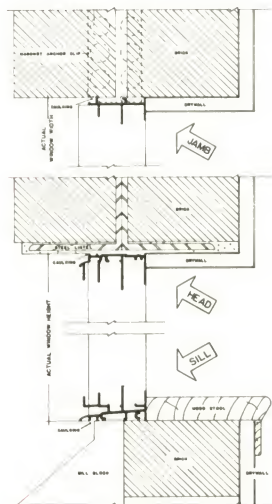
SIDE VIEW... SHOWING FRAME-STUCCO INSTALLATION



INSTALLATION DETAILS



BRICK VENEER



MASONRY

SPECIFICATIONS

HILITE CONVERTIBLE ANODIZED ALUMINUM ROLLING WINDOWS • SERIES 125

GENERAL: Aluminum rolling windows shown on plans shall be HILITE SERIES 125 windows as manufactured by SECURITY ALUMINUM CORPORATION, LOS ANGELES, CALIFORNIA.

MATERIAL: HILITE SERIES 125 windows shall be fabricated from heavy gauge custom extrusions of 6063-T5 tempered aluminum alloy.

FINISH: All aluminum members of HILITE SERIES 125 windows shall be etched and have an anodized satin finish. All steel parts shall have a corrosion resistant finish of clear iridized bright cadmium plate.

FRAME CONSTRUCTION: Frame members consisting of head, sill and jamb shall have a minimum wall thickness of .062", and shall be mechanically joined at all four corners with hardened steel self-tapping screws. All corner joints shall be water-tight when factory assembled. Head, sill and jamb members shall incorporate snap-off nailing fins with pre-punched nail holes. Nailing fins shall be removable to provide a 5/8" projecting fin or no projecting fin. The head and sill members shall include an integral exterior drip which projects 3/4" from the stucco ground across the entire width of the window. The sill member shall contain weep holes spaced along its entire length. A 3/4" projecting over-hang shall be provided over the exterior weep holes. The sill member shall be sloped and shall include an interior condensation trap with provision for run-off to the exterior. The head and sill members shall incorporate a channel along the exterior of their entire length which accommodates insertion of a screen or storm sash.

FIXED SASH CONSTRUCTION: The fixed sash of the HILITE SERIES 125 window shall be glazed independently then inserted into the frame from either the exterior or interior side. The interlock mullion shall be of the removable type; it shall locate and hold the fixed sash securely in place. The interlock mullion shall be locked securely in position by means of a tempered steel clip screwed to the mullion with hardened steel self-tapping screws at the head and sill. The interlock mullion and the fixed sash shall be reversible and shall allow the fixed sash to be reversed either before or after installation on the job. The fixed sash shall be glazed into an aluminum channel using a wrap-around virgin vinyl glazing channel. The aluminum channel shall incorporate a virgin vinyl seal along its entire length, to provide complete water-tightness when the fixed sash is inserted into the frame.

ROLLING SASH CONSTRUCTION: The rolling sash members of HILITE SERIES 125 windows consisting of closing stile, interlock stile and rails shall have a minimum wall thickness of .062" and shall be mechanically joined at all four corners with hardened steel self-tapping screws. The corners shall be of the mitered type with an aluminum corner insert. The sash shall roll on full 3/4" diameter nylon wheels. Each wheel shall be independently adjustable to allow offsetting of the rolling sash to conform with the frame. Wheel adjustment shall be accessible without removing the rolling sash from the frame. The closing stile, interlock stile and rails shall each carry mohair pile weatherstripping along their entire lengths so that the rolling sash when in the closed position in the frame will maintain a continuous single plane weather seal. The interlock stile shall engage with the interlock mullion to form a mechanical interlock when the rolling sash is in the closed position in the frame. The rolling sash shall be reversible in the frame without the necessity of disassembly.

WEATHER-STRIPPING: The weather-stripping on the rolling sash of HILITE SERIES 125 windows shall be certified high pile wool mohair with a silicone water-resistant treatment.

GLAZING BEAD: The glazing bead on the rolling sash and the fixed sash of HILITE SERIES 125 windows shall be identical and shall be a virgin vinyl custom extrusion. Individual glazing beads for single strength glass, double strength glass, and crystal glass shall be provided and may be installed in both the rolling sash and fixed sash without additional adaptor members. A plate glass adaptor and glazing bead shall be provided for glazing 1/4" plate glass in both sash.

HARDWARE: The rolling sash of HILITE SERIES 125 windows shall be provided with a unique burglar-proof locking device located on the interlock stile. The locking device shall be spring-loaded so that it will automatically engage a triple toothed latch in the interlock mullion upon closing of the rolling sash. The locking device shall be adjustable so that it may be located in any position along the interlock stile. The locking device shall incorporate a handle grip so that normal grasping of the handle will unlatch the lock. The handle shall be fabricated from aluminum and shall have an anodized satin finish. The locking device shall ride on nylon and shall be actuated with an enclosed stainless steel spring.

DOUBLE ROLLING SASH: All single rolling sash sizes of HILITE SERIES 125 windows shall be convertible to double rolling sash simply by removing the fixed sash and interlock mullion and inserting in its place a second rolling sash identical with the first.

SCREENS: The screens of HILITE SERIES 125 windows shall have a frame fabricated from roll-formed tubular aluminum. The screening shall be 18 x 14 mesh fiberglass cloth. The screens shall be mounted into channels provided in the head and sill members of the window frame. The screen shall be provided with a plunger type lock in the center of the bottom screen rail. When in place, the screen shall not interfere with the operation of the rolling sash or obscure the weep holes.

A TRULY CONVERTIBLE WINDOW

Advanced engineering has perfected a window which is remarkably versatile. Before or after installation . . . in minutes . . . the HILITE window can be converted from a right-handed vent (XO) to a left-handed vent (OX) . . .

OR it can be converted to a double vent window with a fixed center panel (XOX) . . .

OR it can be converted to a picture window with all panels fixed (O or OO) . . .

OR it can be converted to a double vent window (XX).

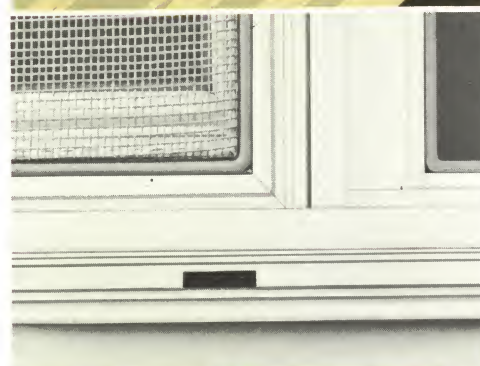
CORNER INSERT. A snug-fitting aluminum corner insert provides permanent alignment and additional strength in each corner of the vent panel.



MULLION ANCHOR CLIP. A unique anchor clip locates and securely holds the mullion in the head and sill. This hardened steel clip bites into the aluminum and allows for adjustment, or easy replacement of the mullion. It makes possible also the converting of the window from one type to another without unsightly screw holes. Even with the anchor clips removed, the window will remain positively locked.



CONCEALED WEEP HOLES. Large properly positioned weep holes in the sill permit rapid drainage of condensation and rain. The weep holes are concealed by an overhang to prevent clogging and unsightly appearance. They are staggered to prevent the direct inward flow of wind, sand, dust, and water.



WEATHERSTRIPPING. Certified high pile wool mohair weatherstripping inserted around the entire perimeter of the vent panel forms a continuous single plane barrier to wind and rain. The mohair pile is specially treated with silicone to resist water and wear.



OTHER FEATURES

GLAZING CHANNEL. The glass in both the vent panel and the fixed panel is mounted in a shock-absorbing vinyl channel which minimizes glass breakage due to distortion and expansion or contraction of the frame. The window may be glazed equally as easy in the field as in the shop. Glazing channels are provided for single strength, double strength, and crystal glass in the standard Hilite window. 1/4" plate glass requires the plate glass adaptor. This glazing method discourages unauthorized entry as it prevents removal of the glass from the outside of the window.

FIXED PANEL WEATHERSEAL. The entire perimeter of the fixed panel incorporates a vinyl insert which seals out water, wind, and dust. This weatherseal eliminates rattles and also accommodates tolerances and distortion of the frame.

REMOVABLE PANELS. Both the vent panel and the fixed panel may be inserted or removed from the interior or exterior side of the window. This feature enables installation of both panels **after** plastering and allows for easy removal of the panels for cleaning.

HEAD AND SILL DRIP. The head and sill incorporate integral drip lips which extend the entire width of the window. These drip lips direct the rain down and away from the window and the wall below, assuring a more weather-tight installation.

SCREEN. Channels to receive a screen have been designed as an integral part of the window frame. The only hardware required on the screen is a simple lock, if desired, to prevent unauthorized entry. This simplified screen arrangement makes for easy installation, and a lifetime of trouble-free service.

STORM SASH. The channels provided for receiving the screen also accommodate storm sash. The storm sash may be inserted or removed, as easily as the screen, and is interchangeable with the screen. Storm sash are provided when required for both the vent panel and the fixed panel.

A TRULY CONVERTIBLE WINDOW

Advanced engineering has perfected a window which is remarkably versatile. Before or after installation . . . in minutes . . . the HILITE window can be converted from a right-handed vent (XO) to a left-handed vent (OX) . . .

OR it can be converted to a double vent window with a fixed center panel (XOX) . . .

OR it can be converted to a picture window with all panels fixed (O or OO) . . .

OR it can be converted to a double vent window (XX).



CORNER INSERT. A small aluminum corner insert provides permanent alignment and a strength in each corner of the vent panel.

MULLION ANCHOR CLIP. The anchor clip locates and holds the mullion in the window sill. This hardened steel clip is inserted into the aluminum and allows for easy replacement of the mullion. It makes possible the converting of the window from one type to another without unsightly screw holes. If the anchor clips remain in the window sill, the window will remain positively aligned.

CONCEALED WEEP HOLES. Properly positioned weep holes in the sill permit rapid drainage of condensation and rain. The weep holes are concealed by an aluminum cap to prevent clogging and unsightly appearance. They are staggered to prevent the direct entry of wind, sand, dust, or rain.

WEATHERSTRIPPING. Certain pile wool mohair weatherstripping is inserted around the entire perimeter of the vent panel to form a complete single plane barrier to rain. The mohair pile is treated with silicone to repel water.

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Mike Jackson, FAIA



RES

Both the vent panel and the fixed panel are made of a shock-absorbing glass to prevent breakage due to contraction of the frame. The channels are protected by equally as easy in channels are protected by strength, and crystal-clear window. 1/4" plate glass is used for the glazing. This glazing is pre-tempered to prevent entry as it prevents the outside of the

entire perimeter of vinyl insert which is . This weatherseal accommodates tolerances.

ent panel and the removed from the window. This feature is after plastering of the panels for

and sill incorporate the entire width of the wall below, installation.

screen have been the window frame. The screen is a simple unauthorized entry. It makes for easy double-free service.

vided for receiving storm sash. The moved, as easily as with the screen. required for both the